From: Grant Petty
To: sbaltazar@bakersfieldpd.us
Subject: Blackmagic Design Update from NAB 2019
Date: Monday, April 8, 2019 11:12:21 AM

NAB 2019 Update

It's NAB time again and we have been working hard on some exciting new products we would like to update you on. This year, we are introducing a new range of 8K products as well as DaVinci Resolve 16, a major update that also introduces a whole new way to edit. The new 8K products are easily some

of our most powerful products, offering more advanced features even when working in HD, Ultra HD or 8K. That means they're future proof and ready to use for 8K work the moment you need it!

HyperDeck Extreme 8K HDR

The new HyperDeck Extreme 8K HDR features the trusted reliability of HyperDeck combined with new innovations such as space saving H.265 files, optional internal cache, 3D LUTs, native 8K and HDR support! With the ability to record native 8K in H.265, you get reduced storage costs and amazing

image quality. The large touch screen ensures a perfect view of your recording as well as control over all deck settings. You can then add HyperDeck Extreme Control to transform it into a traditional broadcast deck! This means HyperDeck Extreme is the perfect solution for the next generation of broadcast, live production and digital signage!

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ATEM Constellation 8K

The new ATEM Constellation 8K is an Ultra HD live production switcher with so many features, you can combine them all to make an incredibly powerful 8K switcher! You get 4 M/Es, 40 x 12G-SDI inputs, 24 x 12G-SDI aux outputs, 4 DVEs, 16 Keyers, 4 media players, 4 multi viewers, 2 SuperSource and there are standards conversion on every one of the 40 SDI inputs! Then when switched to 8K, all these features combine to make a powerful 8K switcher! You even get talkback and a professional 156 channel Fairlight audio mixer with EQ and dynamics! That's an audio mixer so big, you can connect and use a full Fairlight audio console! ATEM Constellation 8K has also been designed as an ideal upgrade for ATEM Television Studio!

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Teranex Mini SDI to HDMI 8K HDR

Teranex Mini SDI to HDMI 8K HDR is an advanced 8K monitoring solution for large screen televisions and video projectors. Unlike basic converters, Teranex Mini can use third party calibration probes to accurately align connected displays for precise color. There are 2 on-screen scopes that can be selected between WFM, Parade, Vector and Histogram. Teranex Mini SDI to HDMI 8K HDR is perfect for film studios and broadcasters who need professional but affordable color accurate monitoring. You also get an elegant design with color LCD for monitoring and control of settings!

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Blackmagic MultiDock 10G

Blackmagic MultiDock 10G is an advanced SSD dock that lets you access 4 separate SSDs via a single high speed 10 Gb/s USB-C connection. Unlike cheap consumer adapters, Blackmagic MultiDock 10G has been specifically designed for the film and television industry and features a rack mount design with an independent SATA driver chip on each disk, ensuring much faster data transfer speeds. That's perfect for editors, colorists and media management on set! It can even

be used for SSD compatibility on HyperDeck Extreme! Only Blackmagic MultiDock 10G gives you the industrial strength design you need for professional work.

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DaVinci Resolve 16

DaVinci Resolve 16 features a revolutionary new cut page specifically designed for editors that need to work quickly and on tight deadlines! The cut page isn't about simplification, it's

about building a whole new powerful editing interface with professional tools that help you work faster. We've even borrowed some old concepts from the days of linear editing and completely modernized them for a high performance non-linear workflow. It's unlike anything you've ever seen and we can't wait to get your feedback!

But that's not all, there are other powerful new features across the rest of the application. The new DaVinci Neural Engine uses machine learning to enable powerful new features such as facial recognition, speed warp, auto color balancing and shot matching, object removal and more. New adjustment clips let you apply effects and grades to clips on the timeline below. The quick export menu has been added to all pages so you can output instantly or even direct upload to YouTube and Vimeo. The new GPU accelerated scopes provide more technical monitoring options than before. Plus, parts of the rendering engine have been rewritten so Fusion is dramatically faster. There is also a major update for Fairlight audio post production include new immersive 3D audio, elastic wave alignment for precisely syncing dialog replacement with video, new bus tracks, loudness meters, a foley sampler and much more! DaVinci Resolve 16 is a massive release with hundreds of features customers have asked for!

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DaVinci Resolve Editor Keyboard

The DaVinci Resolve Editor Keyboard is designed for professional editors who need to work faster and turn around work quickly. It’s a bit like a physical enhancement to the new cut fast editing page! More than just a simple keyboard, the DaVinci Resolve Editor Keyboard has been designed as an alternative way to edit that’s much faster than a mouse because you can simultaneously use both hands at the same time! It also features an integrated search dial built right into the keyboard. Simply plug the keyboard into any USB-C computer and you are ready to go! While most keys will work as a standard USB keyboard, the DaVinci Resolve Editor

Keyboard has been designed for DaVinci Resolve 16 to enable an editing experience that's dramatically faster than previously possible.

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Fusion 16 Studio

Fusion 16 Studio is a major new upgrade that brings all of the improvements made to Fusion inside of DaVinci Resolve to the stand alone version! You get an updated and more modern user interface, along with dramatically faster performance. All 3D operations are now GPU accelerated, making Fusion much more responsive and interactive. In addition, there are dozens of GPU accelerated tools such as time effects, dissolves, stereo tools, vector motion, corner pinning, color tools and more! B-spline and bitmap mask operations are also accelerated, as are the planar and camera trackers. Improved memory management makes large compositions with high tool counts more reliable, making Fusion 16 dramatically faster and more stable than ever before!

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Blackmagic Pocket Camera Battery Grip

Designed for the Blackmagic Pocket Cinema Camera 4K, the new Pocket Camera Battery Grip lets you replace the camera's standard LP-E6 battery with two L-series batteries so you can better power external flash disks or even shoot for over 2 hours on a single charge! It's perfect for anyone that needs to shoot for extended periods of time. Featuring a unique carbon fiber design, non-slip hand grips, and a slide out tray that holds 2 L-series batteries, the Pocket Camera Battery Grip also makes it easier to hold the camera on longer shoots. L-Series batteries are standard batteries used for a variety of professional lighting equipment, so they're readily available. You can even charge the batteries in the grip via the

camera's 12V DC connection in between takes!

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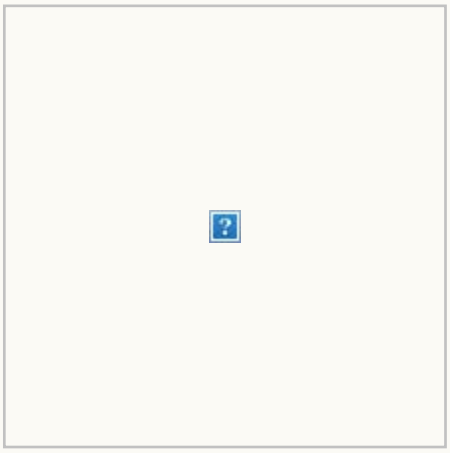
As you can see, we've been very busy working hard to build some very powerful solutions for post production and live production. We're really excited about these new developments and as they are very complex, I have produced a video that gives a full technical overview of the new range of 8K products and DaVinci Resolve bmd.link/nab2019overview. There is also a specific DaVinci Resolve video for understanding the new features bmd.link/resolve16features.

We can't wait to see the great work you do using these new tools and if you are attending NAB, please drop by for a chat!

Regards,



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